

## Summary

The invention concerns a method for generating electrical energy using a synchronous generator with a generator-stator with a stator winding and a generator-rotor, which is movable relative to the stator, contains  $n$  poles, and induces an electric voltage in the stator winding when a stator current flows through the stator winding, as well as a synchronous generator. The invention intends that the time behavior of the voltage induced in one or several stator windings approximates the time behavior of the current in one stator winding or of the sum of at least  $m$  component currents (11, 12) in  $m$  stator windings. In addition, the invention intends that the poles are designed asymmetrically or are positioned asymmetrically on the rotor (12).

(Fig. 1)

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